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2

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☒ 1. Document ID: US 6550054 B1

L1: Entry 1 of 2

File: USPT

Apr 15, 2003

US-PAT-NO: 6550054

DOCUMENT-IDENTIFIER: US 6550054 B1

TITLE: Method for representing terminal-based applications in the unified modeling language

DATE-ISSUED: April 15, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stefaniak; Joseph Peter	San Clemente	CA		

US-CL-CURRENT: 717/104; 717/137

## ABSTRACT:

A computer-implemented method is disclosed for automatically converting text-based screen applications of a legacy computer system into a graphical-based representation thereof. The method includes the steps of transforming a terminal-based screen application into an application specification; converting the application specification into a modeling language-based representation; and, displaying the modeling language-based representation with a graphical user interface. The method of this invention also includes the capability of generating document type definitions of the modeling language-based representation, which enables transmission of the representation among modeling tools.

24 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Draw Desc	Image
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☒ 2. Document ID: US 6148438 A

L1: Entry 2 of 2

File: USPT

Nov 14, 2000

US-PAT-NO: 6148438

DOCUMENT-IDENTIFIER: US 6148438 A

TITLE: System and method for creating composite classes for objects having virtual functions for avoidance of user mode/kernel mode transitions

DATE-ISSUED: November 14, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schmit; Geoffrey	Austin	TX		

## ABSTRACT:

A system and method for creating composite classes for objects having virtual functions, wherein the composite classes enable avoidance of user mode/kernel mode transitions in the operating system. The method first comprises defining the class A, an empty class, and a composite class of the class A and the empty class. These classes are defined in the software program at compile time. The composite class inherits from the composite class and the empty class. The composite class comprises a first mode interface and a second mode interface, wherein the first mode interface and the second mode interface have an opposite ordering of base classes. During execution, the software program instantiates a composite object from the composite class. The method then modifies the composite object to enable the composite object to be shared directly between the first and second modes with reduced mode transitions.

33 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMAC	Dram Desc	Image
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